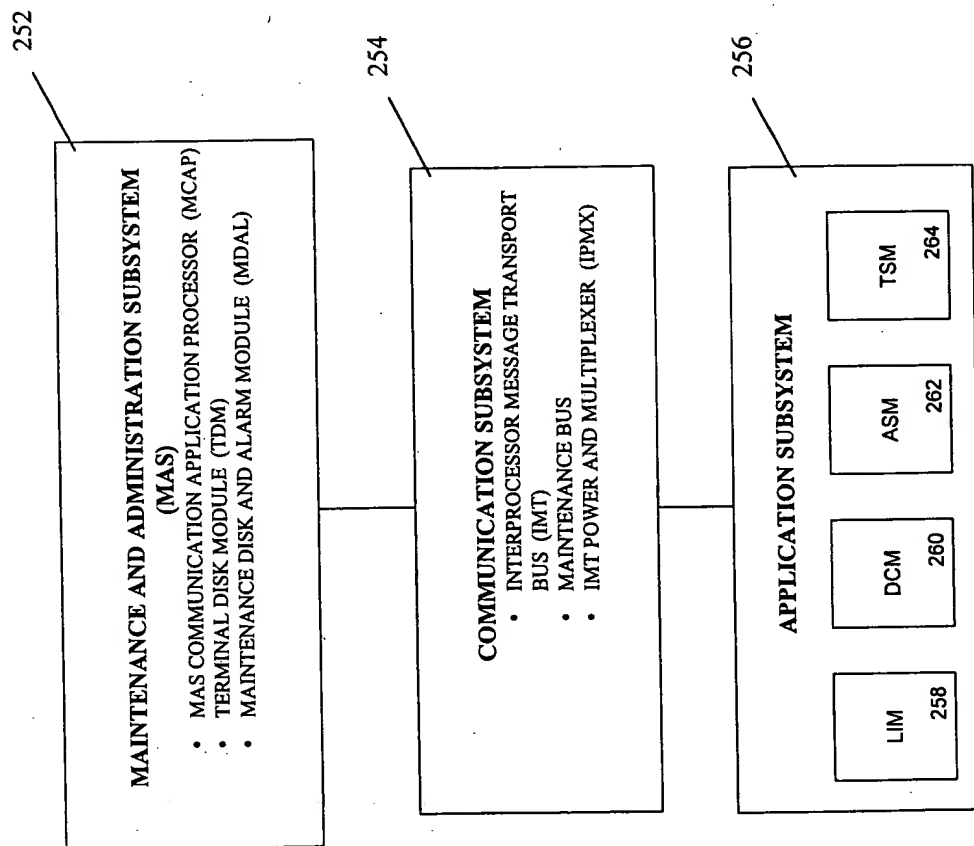


PRIOR ART

Figure 1



PRIOR ART

Figure 2

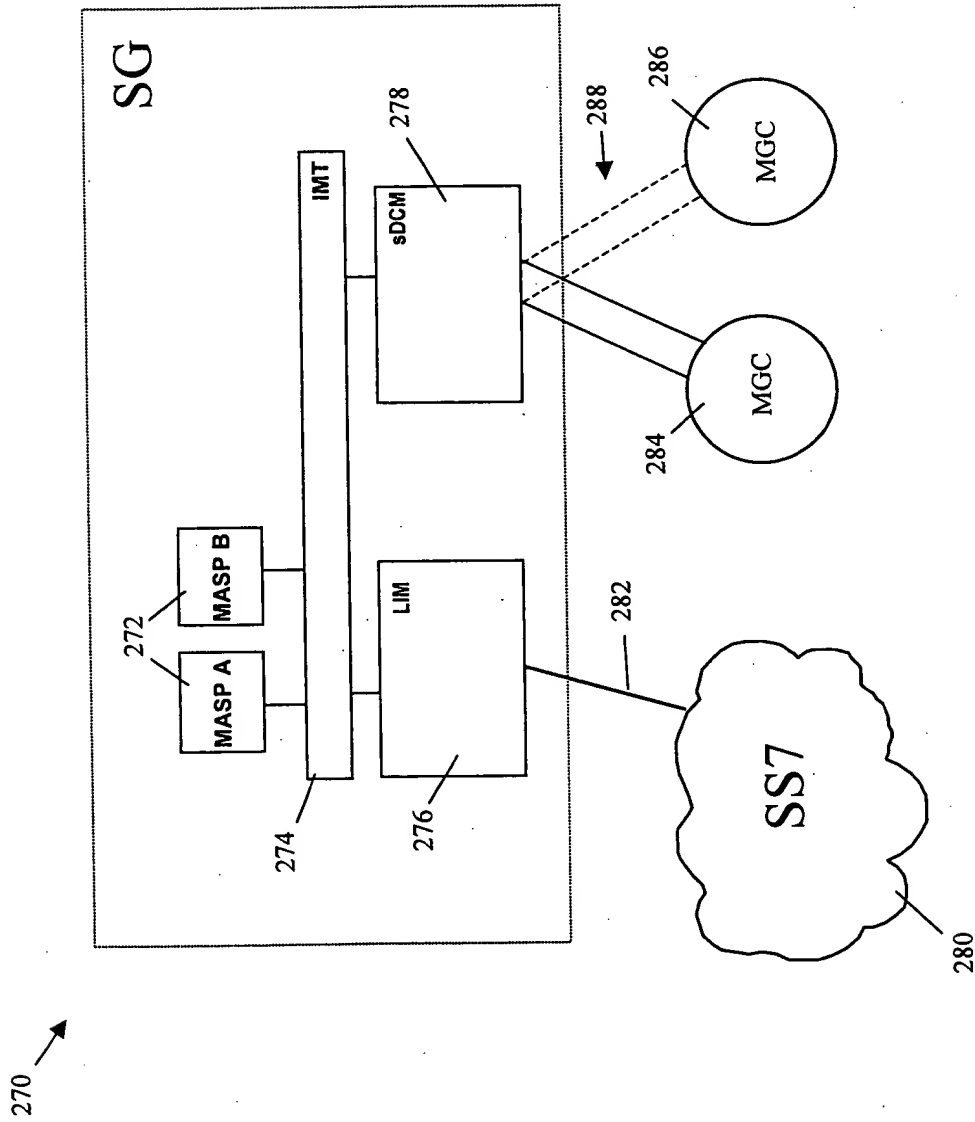


Figure 3

TALI Registration Message Diagram

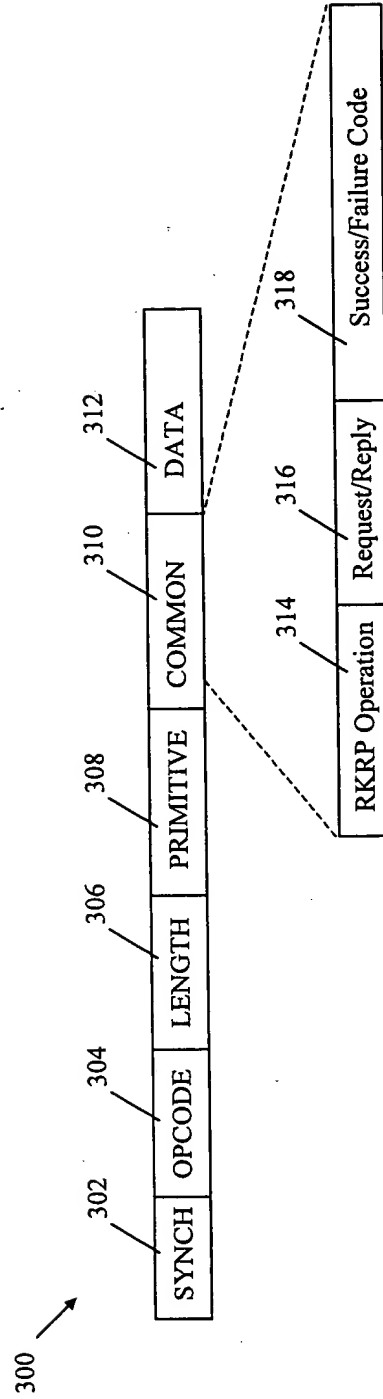


Figure 4

Routing Key Specific Data

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Routing Key Type	Common	RKRP Flags	SI	DPC	OPC	CICS	CICE	SPLIT	NCICS	NCICE	SSN
CIC Based	x	x	x	x	x	x	x	x	x	x	x
SCCP Based	x	x	x	x	x	x	x	x	x	x	x
DPC - SI - OPC	x	x	x	x	x	x	x	x	x	x	x
DPC - SI - *	x	x	x	x	x	x	x	x	x	x	x
DPC - *- *	x	x	x	x	x	x	x	x	x	x	x
* - SI - *	x	x	x	x	x	x	x	x	x	x	x
*(Default)	x	x	x	x	x	x	x	x	x	x	x

Additional Registration Message Fields

Figure 5

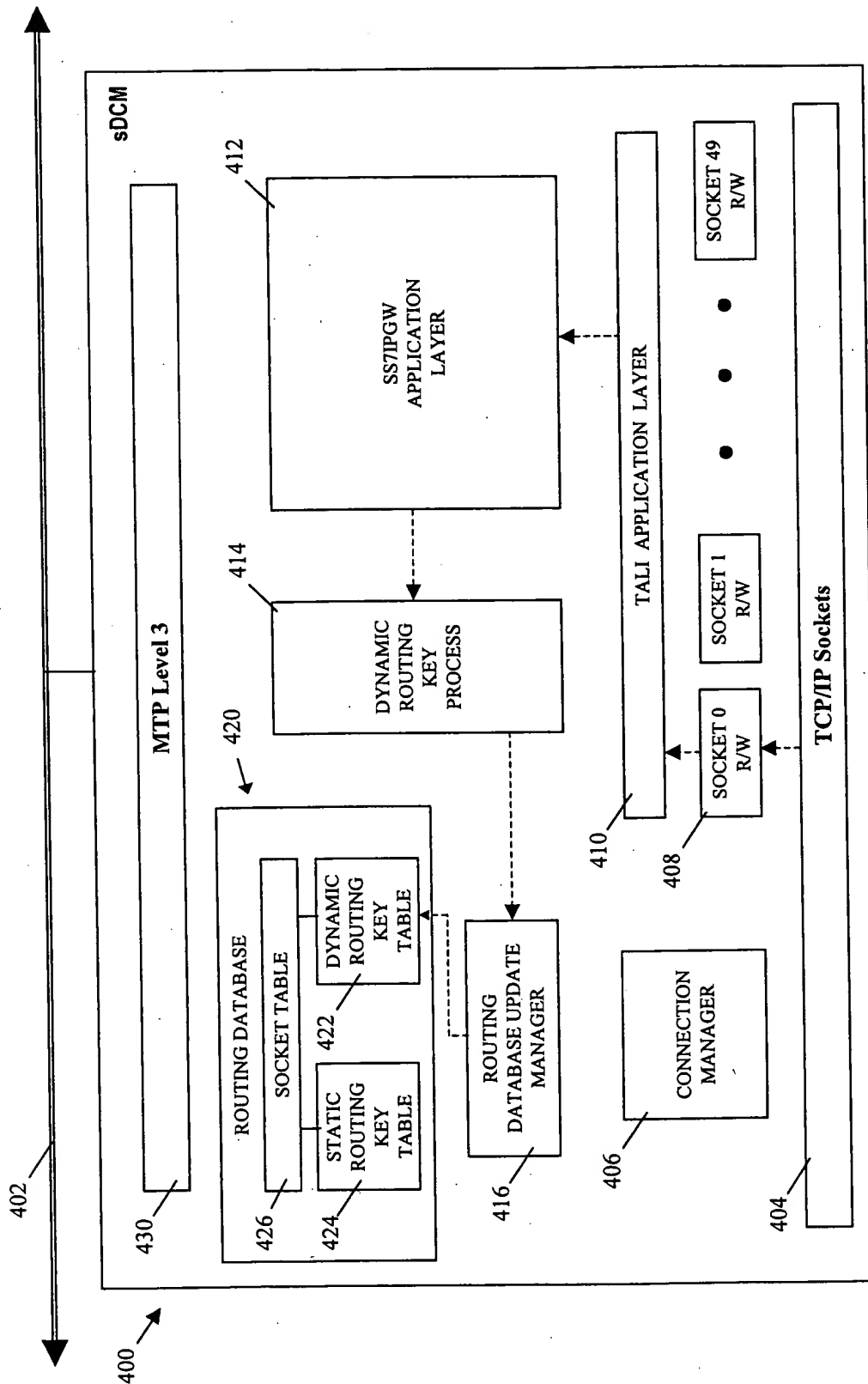


Figure 6

Dynamic Routing Key Table													
KEY(s)													DATA
450 /	452 /	454 /	456 /	458 /	460 /	462 /	464 /	466 /	468 /				
DPC	OPC	SI	CICS	CICE	SPLIT	NCICS	NCICE	SSN	ID				SOCKET
3-1-1	6-1-1	3	-	-	-	-	-	54	Sock1				
3-1-2	6-1-1	3	-	-	-	-	-	67	Sock2				
3-1-3	6-1-1	3	-	-	-	-	-	12	Sock3				
1-1-1	6-1-1	3	-	-	-	-	-	45	Sock4				
1-1-2	7-1-1	5	25	28	-	-	-	-	Sock5				
1-1-3	6-1-1	5	12	13	-	-	-	-	Sock6				

Figure 7

Socket Table									
DATA									
KEY	Socket ID	482 / Local		484 / Distant		486 /		Socket Status	
		IP Address	TCP Port	IP Address	TCP Port	IP Address	TCP Port		
	Sock1	10.10.10.10	24	10.10.10.1	24			A	
	Sock2	10.10.10.10	42	10.10.10.1	42			A	
	Sock3	10.10.10.10	12	10.10.10.1	12			A	
	Sock4	10.10.10.10	54	10.10.20.1	54			A	
	Sock5	10.10.10.10	16	10.10.20.1	16			A	
	Sock6	10.10.10.10	76	10.10.20.1	17			U	

Figure 8

Return Code	SI	Type of requests checked	Description
1	all	all	Transaction successfully completed.
2	all	all	Length of TALI message is insufficient to contain all required information for 'rkpr' operation.
3	N/A	all	Unsupported 'rkpr' operation
4	all	all	Invalid SI. SI must be in range 0..15
5	all	all	Invalid SI/opcode combination. Split and resize only supported for SI=5. Enter, delete and override supported for all SI.
6	all	all	Invalid DPC. Point code cannot be zero, and type must be ANSI.
7	3	all with SI=3	Invalid SSN. SSN must be in range 0..255.
8	5	all with SI=5	Invalid OPC. Point code cannot be zero, and type must be ANSI.
9	5	all with SI=5	Invalid CICS. Must be in range 0..16383.
10	5	all with SI=5	Invalid CICE. Must be in range 0..16383.
11	5	all with SI=5	Invalid CIC range. CICS must be less than or equal to CICE. On a split operation, CICS must be strictly less than than CICE (cannot split an range with only one entry).
12	5	resize	Invalid NCICS. Must be in range 0..16383.
13	5	resize	Invalid NCICE. Must be in range 0..16383.
14	5	resize	Invalid new CIC range. NCICS must be less than or equal to NCICE.
15	5	split	Invalid SPLIT value. Must be in range 0..16383. Must be greater than CICS and less than or equal to CICE.
16	all, 5	enter, split	No free entries in table.
17	5	enter, override	CIC range overlaps but does not match existing entry.
18	all	enter	Entry already has 16 associations.
19	5	resize, split, override	Entry to be changed not found in table.
20	5	resize	New entry would overlap another entry (allowed to overlap the entry being changed, but no others).
21	all	delete	Entry to be deleted not found in table.

Figure 9

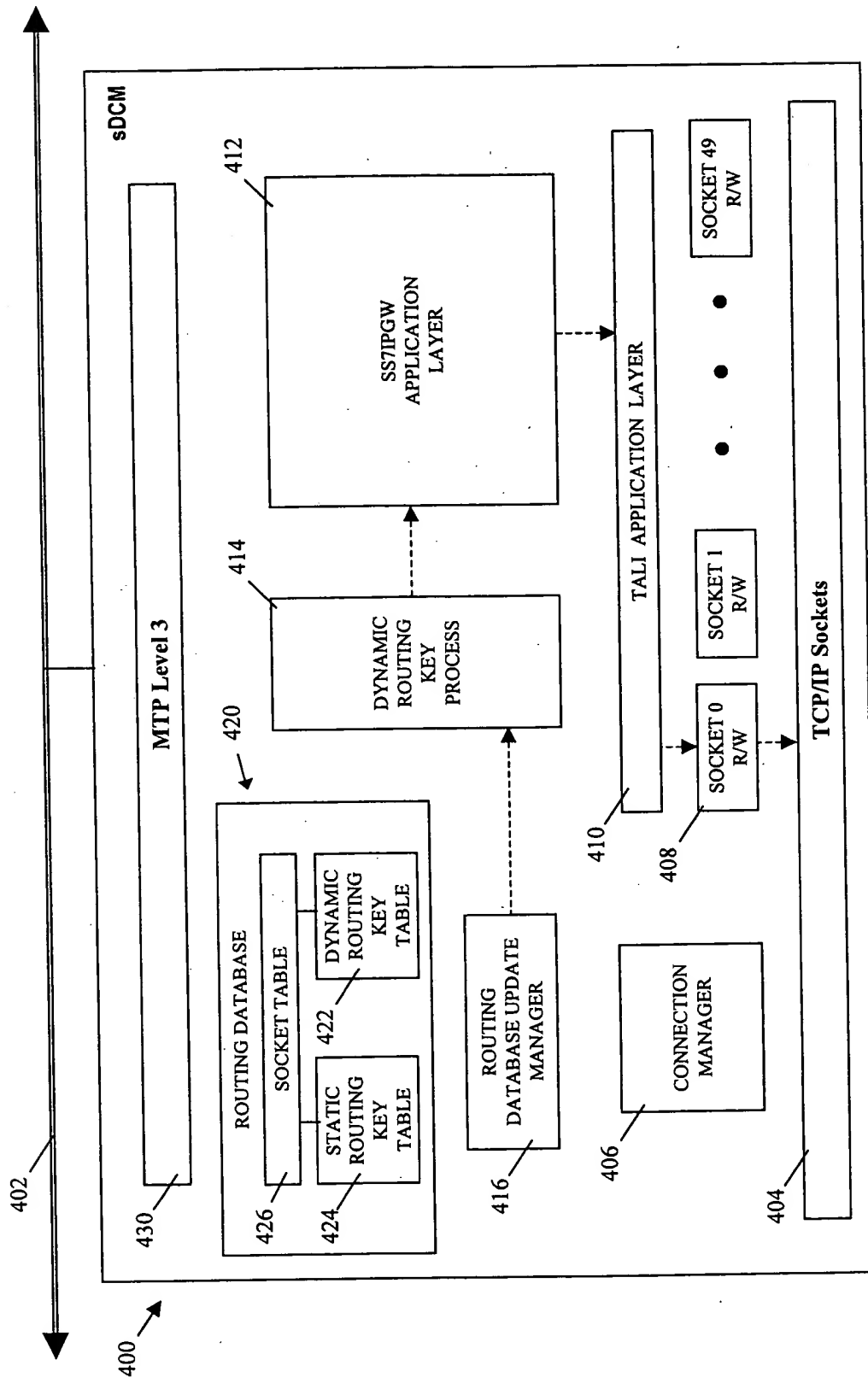


Figure 10

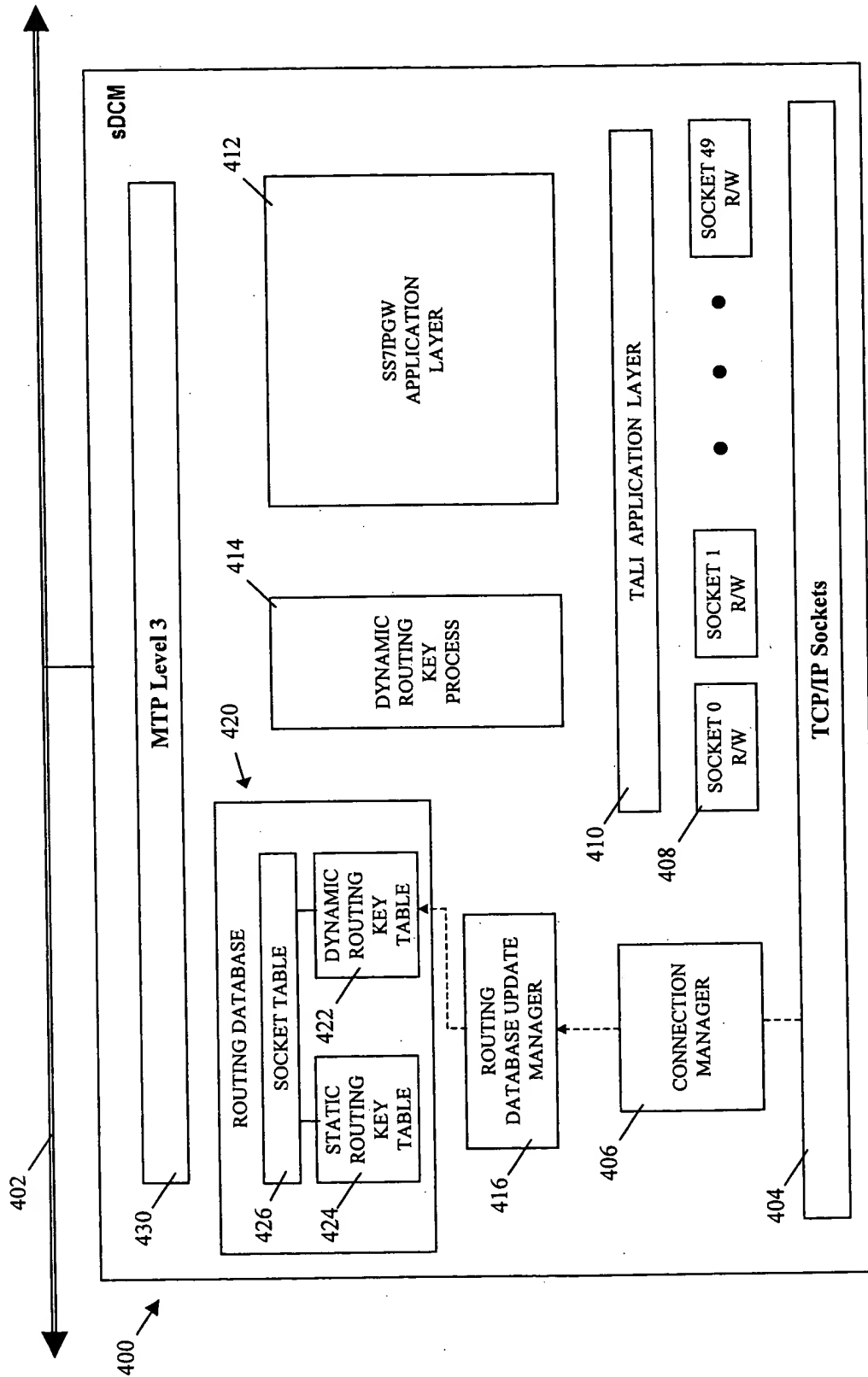


Figure 11

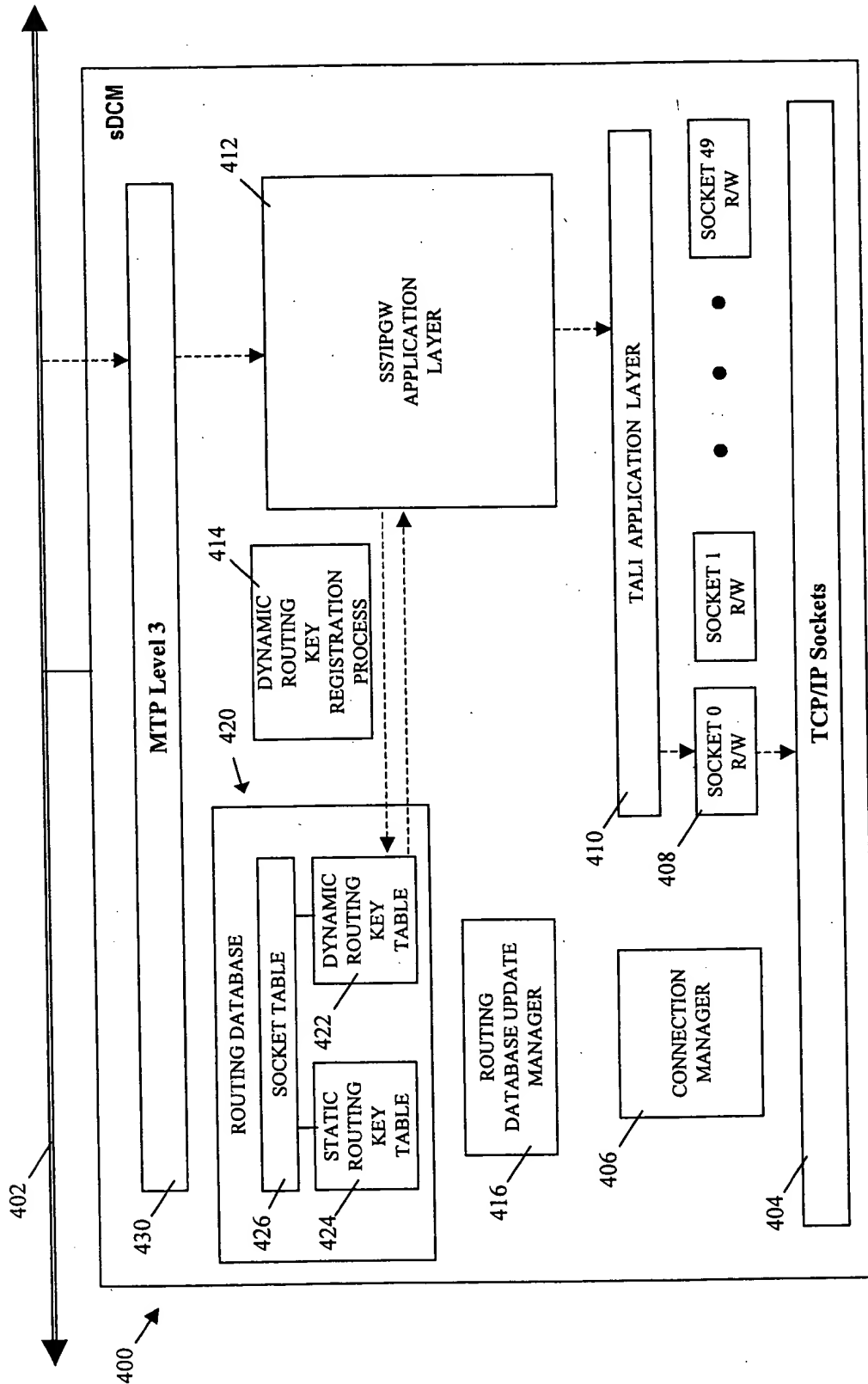


Figure 12

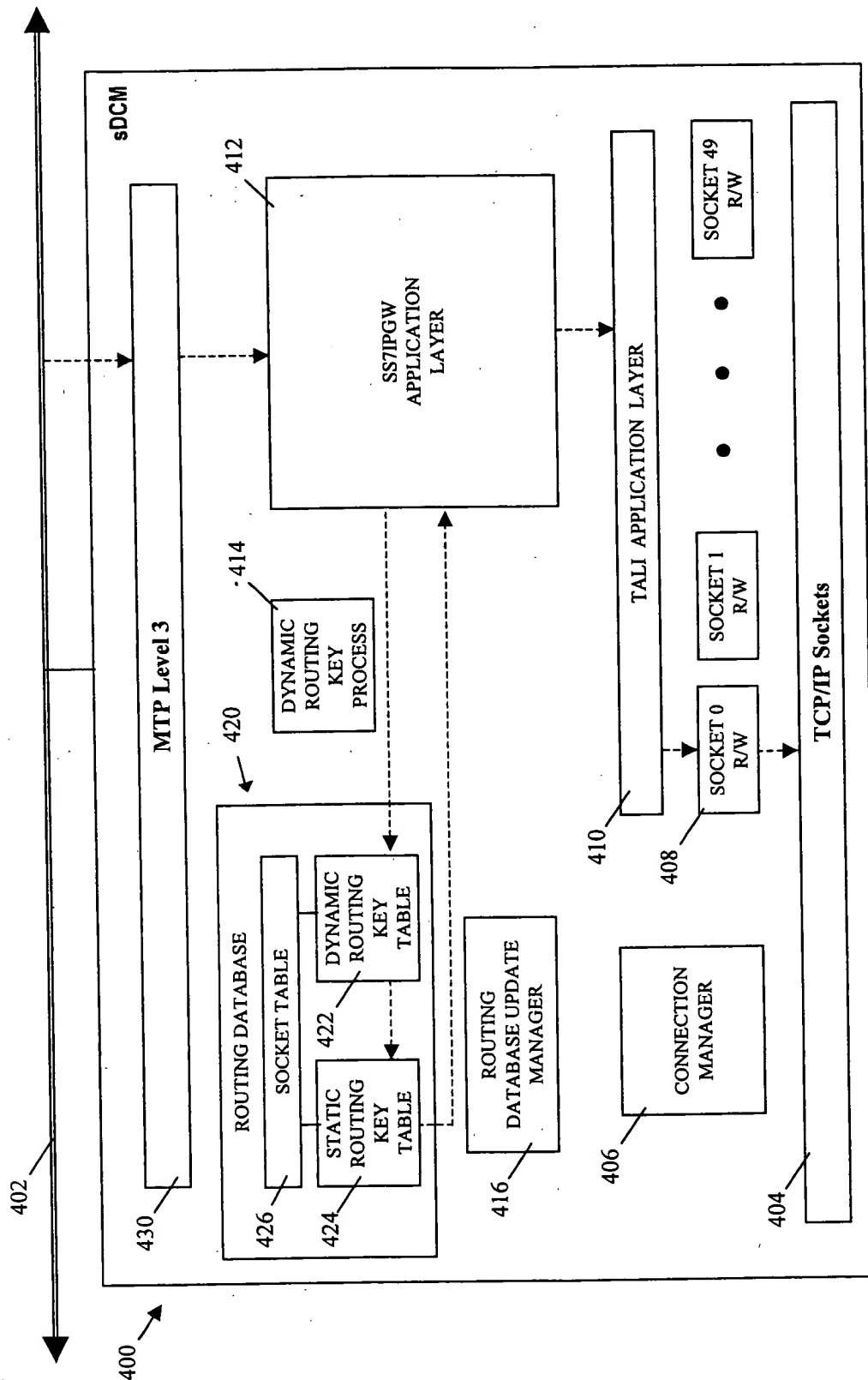


Figure 13

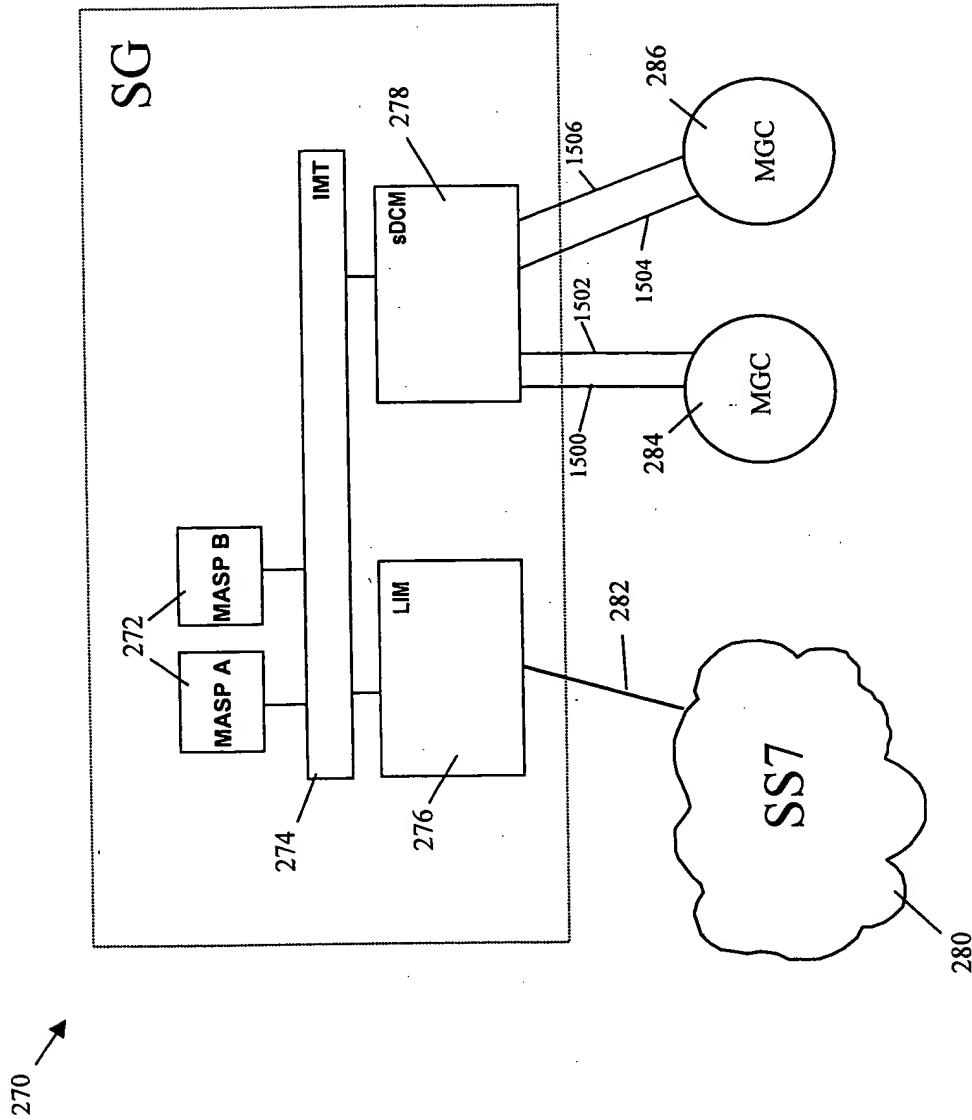


Figure 15

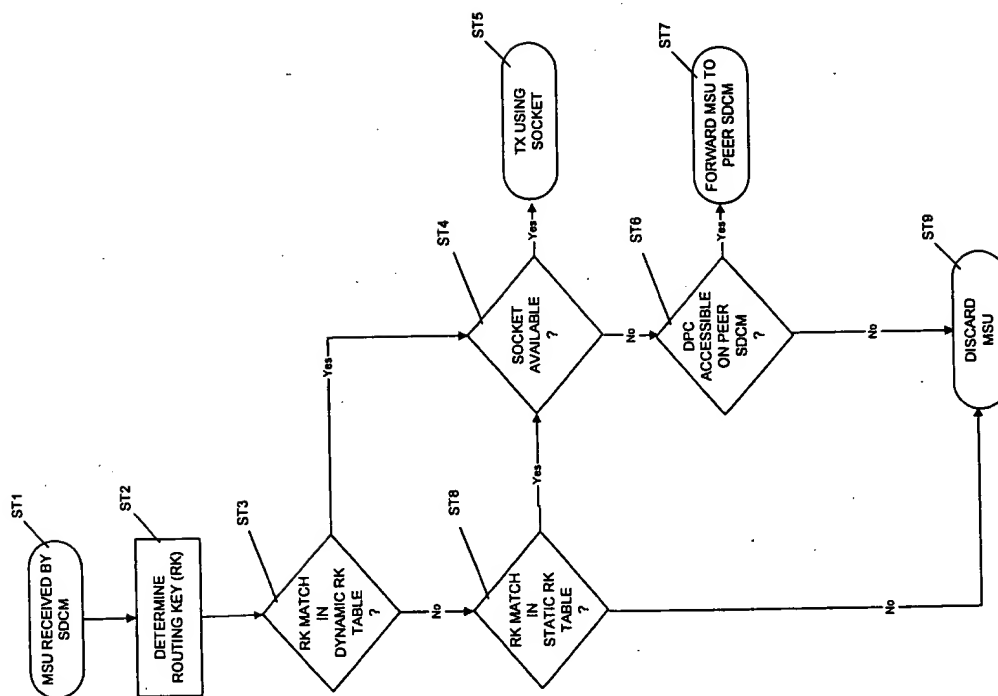


Figure 14